# Status Report
# Lake Tahoe Atmospheric Deposition Study

***CARB Presentation at***

Lake Tahoe TMDL Contractors' Meeting

December 12 & 13, 2002

North Tahoe Conference Center

Kings Beach, California

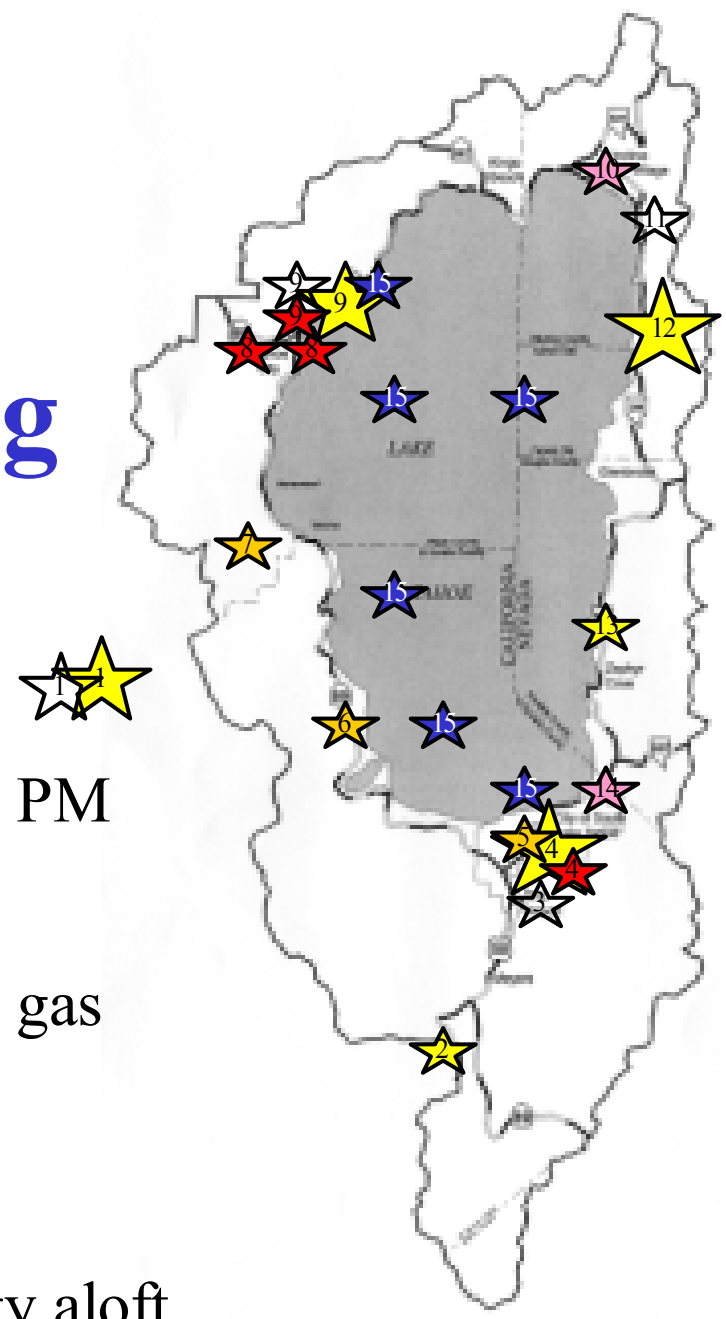
# Primary Objectives

- To better characterize atmospheric deposition of materials that contribute to the loss of water clarity in Lake Tahoe.
- To better characterize emission sources in Tahoe Basin
- To better characterize the potential for transport from outside the Tahoe Basin

# Status of Major Tasks

- Work Plan
- Equipment
- Monitoring Network
- Contracting
- Field Studies
- Deposition Estimates
- Reports

# LTADS Monitoring Network



- AQ - gas & PM
- AQ - PM
- AQ - single gas
- Deposition
- On-Lake
- Meteorology aloft

1. **Big Hill**
2. Echo Summit
3. Tahoe Airport
4. **SLT-Sandy Way**
5. SLT-SOLA
6. DL Bliss SP
7. Homewood Ski
8. Tahoe City
9. **Lake Forest**
10. Incline Vlg - AQ
11. Incline Vlg - Met
12. **Thunderbird Ldg**
13. Cave Rock SP
14. Stateline - Harvey
15. Buoys/Piers
16. Grass Valley

# Findings to Date

- Limited siting options
- Difficult sampling environment
- Low PM2.5 and PM10 concentrations
- Sufficient mass in lake samples to analyze
- Limited funding resources
- Limited personnel resources

# Next Steps

- Securing equipment
- Trouble-shooting equipment
- Seeking additional funding
- Collecting Tahoe-specific data
- Analyzing filter samples and field study data
- Confirming ARB modeling commitments
- Developing spatial distribution algorithms
- Finalizing work plan refinements
- Preparing deposition estimates
- Preparing reports

# Integration of Tasks

- Coordination w/ other groups
- Coordination of schedules for special sampling
- Integration of emissions, meteorological, and air quality information

# Likelihood of Achieving Goals

- To quantify atmospheric deposition of materials that contribute to the loss of water clarity in Lake Tahoe
- To quantify differences between atmospheric deposition methods
- To quantify the impact of pollutant transport into the Tahoe Basin